

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Patent Application of |) | MAIL STOP AMENDMENT |
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| Keiichirou Kai et al. |) | Group Art Unit: 1623 |
| |) | |
| Application No.: 10/578,912 |) | Examiner: Layla D. Bland |
| |) | |
| Filed: May 9, 2006 |) | Confirmation No.: 4449 |
| |) | |
| For: PROCESS FOR PRODUCING |) | |
| PENTOSE-5-PHOSPHATE ESTER |) | |

FOURTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby submit certain documents cited in an Office Action dated February 3, 2009 in the corresponding Japanese application in conformance with the provisions of 37 C.F.R. §§ 1.97 and 1.98.

Cited Japanese Patent Publication No. H09-037785 was previously submitted to the U.S. Patent and Trademark Office on May 9, 2006 in a First Information Disclosure Statement. Therefore, a copy is not provided herewith.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

CERTIFICATION UNDER 37 C.F.R. §1.97(e)

I, the undersigned, hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

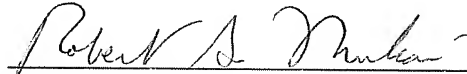
The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: April 28, 2009

By:



Robert G. Mukai

Registration No. 28531

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620